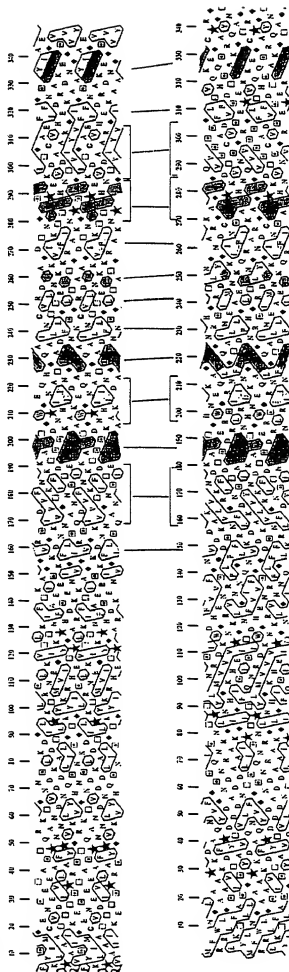


27 AVSPKTYKDA DFYVAPITQQDMNY__DLVDDFGANGDTS 64
 | | | | | | | | | | | | | | | | | |
 28 DTSELSVPTLRAAASSFYTPPGQNVRRANKNLVTDYGVNHNDQND 74
 ↓ | | | | | | | | | | | | | | | | | |
 65 DSNALQRAINAISRKPNGGTILLIPNGTYHFLGIQMKSNVHTRVESDVITK 114
 | | | | | | | | | | | | | | | | | |
 75 DSSKLNLAIKDLS__DTGGILILPKGKYLLTKIRMRSNVHLEIEKGIVTY 122
 | | | | | | | | | | | | | | | | | |
 115 PIWN GDGKNHRLFEVG__VNNIVRNFSEFQGLNGFLVDFKDSRDKNLAV 161
 | | | | | | | | | | | | | | | | | |
 123 PTKGLITPAKNHRIIDFASKTEEKIENASIVGKGGKFTVLDRCNSSKNQIV 172
 | | | | | | | | | | | | | | | | | |
 162 FKLGDVRNRYKISNFTIDNKTIFASILVDVTERNGRLHWSRNGLIERIKQ 211
 | | | | | | | | | | | | | | | | | |
 173 ADVGNVINFKISNFTIKDEKTFASILVSFTDKAGN_AWPHKGLIENIDQ 221
 | | | | | | | | | | | | | | | | | |
 212 NNALFGYGLIQTYGADNILLFRNLHSEGGIALFMETDNLIMKNYKQGGRN 261
 | | | | | | | | | | | | | | | | | |
 222 ANAHIGYGLIQAYAADNILLFNNLSCTGGVTLRLETDNLAMKTAKKGVVD 271
 | | | | | | | | | | | | | | | | | |
 262 IFADNIRCSKGLAAVMFGHFHMKNGEDVQVINSSVSCGSAVRSDSGFEVL 311
 | | | | | | | | | | | | | | | | | |
 272 IFATKIKNINGLITPMFSEHFMENGVITDDVTAIGCAYAVRVEHGFTEI 321
 | | | | | | | | | | | | | | | | | |
 312 FSPIDEVHTRQSWKQAVESKLRGCAQTPYARGNGGTRWAARVT__QKD 358
 | | | | | | | | | | | | | | | | | |
 322 FDKGNRASA_DAFKNYIEGILGAGSVEVYKRNNGRI_WAARTANDFNEA 369
 | | | | | | | | | | | | | | | | | |
 359 ACLDKAKLEYGIEPGSFGIVKVFDTARF_GYNADLKQDQLDYFSTSNPM 407
 | | | | | | | | | | | | | | | | | |
 370 AYNHSNPAVSGIKPGKFATSKVINVKATYKGTGAKLKQAFLSYLPCSER_ 418
 | | | | | | | | | | | | | | | | | |
 408 CKRVCLPIKEQWSKQGOITYIGPSLAAVID_TTPETSKYDYDVKTENNVKRI 457
 | | | | | | | | | | | | | | | | | |
 419 SK_VCRPGPDGFE__YNGPSLGVITIDNIKRNLSLGNMNMVSTSSVQ 462
 | | | | | | | | | | | | | | | | | |
 457 NFPVNSHKTIDINTESSRVCNYY_GMSECSSSWER 491
 | | | | | | | | | | | | | | | | | |
 463 GFNNYVLNVKYNT__PKVCNQNLG_SITTSN 491

FIG.1

Cytophaga drobachiensis iota-carrageenase

IKCA 250



Alteromonas fortis iota-carrageenase

FIG. 2

